Genius

Genius PC Interface Modules

The Genius PC Interface Modules (PCIM) provide a low cost 'tap' on the GENIUS I/O bus, allowing a host system to control remote I/O utilizing the extensive diagnostics, high reliability and noise immunity of the GENIUS I/O System.

	IC660ELB931	IC660ELB921	IC660ELB922
Product Name	Genius Dual-channel PCI PCIM	Genius Single-channel ISA PCIM	Genius Dual-channel ISA PCIM
Network Support	Genius Bus	Genius Bus	Genius Bus
I/O Data Transfer	128 bytes per device (32 total devices supported)	128 bytes per device (32 total devices supported)	128 bytes per device (32 total devices supported)
Distance	7500 feet (2286 meters) at 38.4 Kbaud; 4500 feet (1371 meters) at 76.8 Kbaud; 3500 feet (1066 meters) at 153.6 Kbaud extended; 2000 feet (609 meters) at 153.6 Kbaud standard. Maximum length at each baud rate also depends on cable type.	7500 feet (2286 meters) at 38.4 Kbaud; 4500 feet (1371 meters) at 76.8 Kbaud; 3500 feet (1066 meters) at 153.6 Kbaud extended; 2000 feet (609 meters) at 153.6 Kbaud standard. Maximum length at each baud rate also depends on cable type.	7500 feet (2286 meters) at 38.4 Kbaud; 4500 feet (1371 meters) at 76.8 Kbaud; 3500 feet (1066 meters) at 153.6 Kbaud extended; 2000 feet (609 meters) at 153.6 Kbaud standard. Maximum length at each baud rate also depends on cable type.
PC Power Requirement	5 VDC, 600mA	5 VDC, 400mA	5 VDC, 400mA
Mechanical	PCI Slot, dimensions of board are 6.875" x 4.2" (Standard PCI short Card).	Single Slot AT full Length	Single Slot AT full Length
Backplane Requirements	The PCI Genius (PCGEN) card is compatible with PC Compatible computers having a PCI slot which is compliant with the Peripheral Component Interconnect Bus Specification v2.2, and also works with PCI v2.1	Motherboard - 4 bytes Each channel - 16Kbytes shared RAM Memory Configurable Interrupts	Motherboard - 4 bytes Each channel - 16Kbytes shared RAM Memory Configurable Interrupts